

Continental Drift

Seafloor Spreading

Complete the paragraph by filling in the blanks using the words below.

Pangaea
continents

Arctic
Africa

rock
seafloor spreading

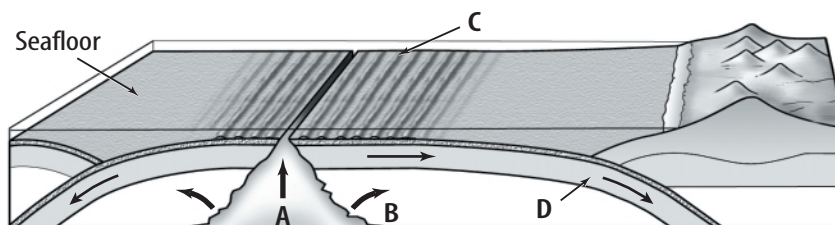
Alfred Wegener was one of the first people to suggest that all of the

1. _____ were joined together in the past. He called the one large continent 2. _____. Evidence exists to support his hypothesis.

For example, similar fossils have been found in South America and

3. _____. Also, fossils of warm weather plants have been found in the 4. _____. Similar 5. _____ structures exist in the Appalachian Mountains and in Greenland and western Europe. But until clues on the ocean floor led to Harry Hess's theory of 6. _____, scientists could not think of how the continents might move.

Directions: Study the following diagram of the seafloor. Then match the letters to the statements below.



- _____ 7. Molten rock flows onto the seafloor and hardens as it cools.
- _____ 8. Hot, molten rock is forced upward toward the seafloor at a mid-ocean ridge.
- _____ 9. New seafloor moves away from the ridge, cools, becomes denser, and sinks.
- _____ 10. Molten rock pushes sideways in both directions as it rises, moving the mantle with it.